

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	241	(precipitat\$4 near2 (bath or system)) same (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 11:18
L2	779	(precipitat\$4 with (bath or system)) same (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 11:18
L3	7795	(precipitat\$4 with (bath or system or solution)) same (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 11:18
L4	26	3 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOOR	OR	ON	2011/10/12 11:19
L5	18	"5879554"	US-PGPUB; USPAT	OR	OFF	2011/10/12 11:20
L6	1	(10/666893).APP.	USPAT; USOOR	OR	OFF	2011/10/12 12:02
L7	37	("3709841"   "3769332"   "3855122"   "3869429"   "4026977"   "4054707"   "4207182"   "4268650"   "4273903"   "4419486"   "4634530"   "4714725"   "4818387"   "4866099"   "4920193"   "4922485"   "4939180"   "4941893"   "4954143"   "4971695"   "4992485"   "5008352"   "5013765"   "5028337"   "5030672"   "5071448"   "5112892"   "5118766"   "5246582"   "5401410"   "5693740"   "5879554"   "5997741"   "6258272").PN. OR ("7160927").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 12:02
L9	3	7 and (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 12:03
L10	118	(precipitat\$5 same polyelectrolyte same (polyphosphoric or polysulfonic or polycarboxylic or methacrylic or acrylic or vinylpyrrolidone or methacrylate))	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 12:07
L11	15	10 and (asymmetric\$4)	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 12:07
L12	5	10 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOOR	OR	ON	2011/10/12 12:07
L13	62	"4604208"	US-PGPUB; USPAT; USOOR	OR	ON	2011/10/12 12:10

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L14	66	("3524546"   "3672975"   "3752749"   "3808305"   "4012324"   "4033817"   "4203848"   "4214020"   "4250029"   "4431545"   "4473474"   "4473475").PN. OR ("4604208").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 12:12
L15	33	13 and (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 12:14
L16	9	15 and (asymmetric\$4 with (fiber or membrane))	US-PGPUB; USPAT; USOOR	OR	ON	2011/10/12 12:14
L17	35	14 and (polyphosphoric or polysulfonic or polycarboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR	OR	OFF	2011/10/12 12:17
L18	6	17 and (asymmetric\$4 with (fiber or membrane))	US-PGPUB; USPAT; USOOR	OR	ON	2011/10/12 12:17
L35	17407	((precipitant or precipitat\$4) with (system or bath or solvent)) and (polyphosphoric or polysulfonic or methyl near2 methacrylate or vinylpyrrolidone or methacrylic near2 acid)	US-PGPUB; USPAT	OR	OFF	2011/10/12 12:31
L36	189	35 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT	OR	ON	2011/10/12 12:32
L37	3	36 and (internal with fill\$4)	US-PGPUB; USPAT	OR	ON	2011/10/12 12:32
L38	13	"5919370"	US-PGPUB; USPAT	OR	OFF	2011/10/12 12:59
L39	80	(asymmetric\$4 with (membrane or fiber)) and (polysulfon\$3 near2 acid or polyphospho\$4 near2 acid)	US-PGPUB; USPAT	OR	ON	2011/10/12 13:05
L40	21	39 and ((coat\$4 or film\$4) same (polysulfon\$4 near2 acid or polyphospho\$4 near2 acid))	US-PGPUB; USPAT	OR	ON	2011/10/12 13:06
L41	85	((core or lumen or center or bore or internal) near2 (solution or filler)) same (acrylic or methacrylic) same (methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR; FPRI; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 13:59
L42	36	41 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOOR; FPRI; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 13:59

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L43	1152	((core or lumen or center or bore or internal) near2 (solution or fluid or filler)) same (acrylic or methacrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:00
L44	54	43 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:00
L45	6	"0568045"	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 14:09
L46	4	45 and (acrylic or vinylpyrrolidone or methacrylate or methacrylic)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 14:10
L47	19	(US-20070163950-\$ or US-20080000828-\$ or US-20070163949-\$ or US-20040045897-\$ or US-20030045461-\$ or US-20070056900-\$ or US-20040054125-\$).did. or (US-4814082-\$ or US-4976859-\$ or US-5919370-\$ or US-5840190-\$ or US-4906375-\$ or US-4604208-\$ or US-5290448-\$ or US-7811507-\$ or US-5879554-\$ or US-4765897-\$ or US-4812270-\$ or US-6248469-\$).did.	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:25
L48	8	47 and (acrylic near2 acid)	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:25
L49	644	(asymmetric\$4 with (membrane or fiber)) and (acrylic near2 acid)	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:31
L50	39	49 and (acrylic near2 acid same (precipit\$5 or extrud\$4 or spin\$4 or coagulat\$4))	US-PGPUB; USPAT	OR	OFF	2011/10/12 14:31
L51	275	((core or lumen or center or bore or internal) near2 (solution or fluid or filler)) same (acrylic near2 acid)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:36

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L52	38	51 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOOR; FPFS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:36
L53	85	"4364972"	US-PGPUB; USPAT; USOOR; FPFS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/10/12 14:50
S1	1	"20070163950"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:24
S2	1	"20080000828"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:25
S3	1	"20070163949"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:25
S5	28	"4814082"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:44
S6	153	"4976859"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:44
S7	9	"5919370"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:45
S8	230	integral\$3 with asymmetric with membrane	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:46
S9	12	S8 and (electrolyte or polyelectrolyte)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:46
S10	6	S9 and (phosphoric or sulfonic or carboxylic)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:46
S11	213	membrane same (spinning with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:50
S12	3	S11 and (precipit\$4 with (electrolyte or polyelectrolyte or phosphoric or carboxylic or sulfonic))	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:51
S13	627	membrane and (spinning with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:52
S14	4	S13 and (precipit\$4 with (electrolyte or polyelectrolyte or phosphoric or carboxylic or sulfonic))	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:52
S15	2	"20040045897"	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:53
S16	60	asymmetric with membrane and (polyphosphoric or polysulfonic or polycarboxylic)	US-PGPUB; USPAT	OR	OFF	2010/02/20 12:59

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S17	20	S16 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	OFF	2010/02/20 13:00
S18	9	S16 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/20 13:00
S19	7332	membrane and (polyphosphoric or polysulfonic or polycarboxylic)	US-PGPUB; USPAT	OR	OFF	2010/02/22 09:59
S20	340	S19 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:00
S21	79	S19 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:00
S22	2225	S19 and ((precipita\$4 or coagulat\$5) with (solution or fluid or system))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:01
S23	38	S22 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:01
S24	3	S23 and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:02
S25	2376	S19 and ((precipita\$4 or coagulat\$5) with (solution or fluid or system or liquid))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:02
S26	242	S19 and (((precipita\$4 or coagulat\$5) with (solution or fluid or system)) same (phosphoric or sulfonic or carboxylic))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:03
S27	4	S26 and (spin\$4 with solution with solvent)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:03
S28	16	S26 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:19
S29	0	S28 and (hollow with fiber with die)	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:19
S30	2	S28 and (((precipita\$4 or coagulat\$5) with (solution or fluid or system or liquid)) same (spin\$4 with solution))	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:20
S31	4	"4898698"	US-PGPUB; USPAT	OR	OFF	2010/02/22 10:54
S32	23	wechs near2 friedbert	US-PGPUB; USPAT	OR	OFF	2010/07/09 14:49
S33	7	S32 and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2010/07/09 14:50
S34	1	"20070163950"	US-PGPUB; USPAT	OR	OFF	2011/03/16 10:56
S35	6	(asymmetric with membrane) and (precipit\$5 with (acrylic or sulfonic or phosphoric))	US-PGPUB; USPAT	OR	OFF	2011/03/16 11:17
S36	1	(asymmetric with membrane) and (precipitant with system)	US-PGPUB; USPAT	OR	OFF	2011/03/16 11:19

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S37	55	("3441142"   "3522346"   "3616935"   "3705084"   "4102746"   "4702840"   "4855234"   "4906375"   "5041225"   "5283186"   "5420047"   "5476665").PN OR ("5840190").URPN.	US-PGPUB; USPAT; USOOR	OR	OFF	2011/03/16 11:23
S38	10	(US-20070163950-\$ or US-20080000828-\$ or US-20070163949-\$ or US-20040045897-\$ or US-20030045461-\$).did. or (US-4814082-\$ or US-4976859-\$ or US-5919370-\$ or US-5840190-\$ or US-4906375-\$).did.	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:05
S39	5	S38 and (spin\$4 and acrylic)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:06
S40	8	(asymmetric with membrane) and interior near2 filler	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:09
S41	5	acrylidone and (asymmetric near2 membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:11
S42	5	acrylidone and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:11
S43	37	(spin with solution) and (polyelectrolyte or acrylic or polysulfonic or polyphosphoric or polycarboxylic) and (asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:13
S44	13	(spin with solution) and (asymmetric with membrane) and (bore with (fluid or liquid or polymer))	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:28
S45	3	S44 and (bore same acrylic\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:28
S46	13	"5290448"	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:30
S47	60	"5762798"	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:32
S48	68	(asymmetric with membrane) and (precipitating with solution) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:45
S49	1	S48 and (precipitat\$5 same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:46
S50	18	(asymmetric with membrane) and (precipitating near2 solution) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:47
S51	25	(asymmetric with membrane) and (precipitating near2 (solution or liquid)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:50
S52	8	S51 and (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:50
S53	238	(asymmetric with membrane) and (precipita\$3 with (solution or liquid)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:58

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S55	17	S53 and (precipita\$5 same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 13:58
S56	146	S53 and (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic)	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:01
S57	7	S53 and (extru\$5 same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:01
S58	409	(asymmetric with membrane) and ((coagulat\$4 or precipita\$3) with (solution or liquid or medium)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:03
S59	18	S58 and (((coagulat\$4 or precipita\$3) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:04
S61	588	(asymmetric with membrane) and ((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:15
S62	58	S61 and (((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/16 14:16
S63	3	"2003061812"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2011/03/16 14:26
S64	2	"7429343"	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2011/03/16 14:35
S65	588	(asymmetric with membrane) and ((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) and (spin\$5)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S66	58	S65 and (((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S67	42	S66 and (cellulos\$2 and polysulfon\$4)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S68	36	S67 and ("die" and extrud\$4)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31
S69	0	S68 and (integral\$4 with asymmetric with membrane)	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:31

## EAST Search History (Prior Art)

S70	409	(asymmetric with membrane) and (((coagulat\$4 or precipita\$3) with (solution or liquid or medium)) and (spin\$5))	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:51
S71	52	S70 and (((coagulat\$4 or precipita\$3 or core or bore) with (solution or liquid or medium)) same (polyphosphoric or phosphoric or polysulfonic or sulfonic or polycarboxylic or carboxylic or acrylic))	US-PGPUB; USPAT	OR	OFF	2011/03/17 09:51
S72	239	acrylidone	US-PGPUB; USPAT	OR	OFF	2011/09/21 11:37
S73	7	S72 and (asymmetric\$4 near2 membrane)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:39
S74	5980	(copolymer with acrylic with vinylpyrrolidone)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:45
S75	50	S74 and (asymmetric\$4 with membrane)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:45
S76	49	S75 and (polysulfone or polyphenylene near2 sulfone or polyethersulfone or polyimide or polyetherimide or polycarbonate or polyetherketone)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:48
S77	44	S76 and (spin\$4 or spun)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:53
S78	6	S77 and (spin\$4 with solution)	US-PGPUB; USPAT	OR	ON	2011/09/21 11:53
S79	19	"6565782"	US-PGPUB; USPAT	OR	OFF	2011/09/21 14:53
S80	61	"4604208"	US-PGPUB; USPAT	OR	OFF	2011/09/21 15:06
S81	5980	(copolymer with acrylic with vinylpyrrolidone)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S82	50	S81 and (asymmetric\$4 with membrane)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S83	49	S82 and (polysulfone or polyphenylene near2 sulfone or polyethersulfone or polyimide or polyetherimide or polycarbonate or polyetherketone)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S84	44	S83 and (spin\$4 or spun)	US-PGPUB; USPAT	OR	ON	2011/09/21 15:07
S85	40	wechs near2 friedbert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/21 15:17

## EAST Search History (Prior Art)

S86	5	S85 and S81	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/09/21 15:22
S87	8001	(copolymer with acrylic with vinylpyrrolidone) or polyphosphoric or polysulfonic	US_PGPUB; USPAT	OR	ON	2011/09/21 15:23
S88	68	S87 and (asymmetric\$4 with membrane)	US_PGPUB; USPAT	OR	ON	2011/09/21 15:23
S89	60	S88 and (polysulfone or polyphenylene near2 sulfone or polyethersulfone or polyimide or polyetherimide or polycarbonate or polyetherketone)	US_PGPUB; USPAT	OR	ON	2011/09/21 15:23
S90	8	acrylidone and (asymmetric\$4)	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:28
S91	2257	(polyelectrolyt\$3 or anionic) with (polyphosphoric or polysulfonic or polycarboxylic)	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:31
S92	10	S91 and (asymmetric\$4 with membrane)	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:31
S93	65	asymmetric\$3 near2 membrane and (polyphosphoric or polysulfonic or polycarboxylic)	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:32
S94	2	S93 and ((anionic or negative\$3) with (modif\$6))	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:34
S95	0	S93 and polysulfone	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:36
S96	31	S93 and (spin\$4)	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:36
S97	34	"4814082"	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:40
S98	7	S97 and spin\$4	US_PGPUB; USPAT	OR	OFF	2011/09/21 15:51
S99	6010	(copolymer with acrylic with vinylpyrrolidone)	US_PGPUB; USPAT	OR	ON	2011/10/12 08:56
S100	40	wechs near2 friedbert	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 08:56

## EAST Search History (Prior Art)

S10 1	5	S100 and S99	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 08:56
S10 2	5	S101 and asymmetric\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 08:56
S10 3	15	"5290448"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/10/12 09:03
S10 4	26	("3600491"   "3674628"   "3871950"   "3930105"   "4006067"   "4056467"   "4181694"   "4234431"   "4252652"   "4340481"   "4432923"   "4545910"   "4564488"   "5039420").PN, OR ("5290448").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 09:14
S10 5	8	S104 and (phosphoric or carboxylic or sulfonic)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 09:14
S10 6	910	(precipitat\$4 near2 (bath or system)) same (phosphoric or sulfonic or carboxylic or acrylic or methacrylate or vinylpyrrolidone)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/12 09:24
S10 7	13	S106 and (asymmetric\$4 with (membrane or fiber))	US-PGPUB; USPAT; USOCR	OR	ON	2011/10/12 09:25

## EAST Search History (Interference)

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